

CLAIMS

What is claimed is:

1. A method comprising:
 - receiving a list a properties associated with storage;
 - choosing one or more of said properties to build an expression;
 - evaluating said expression to determine a pool of storage; and
 - selecting a piece of storage having characteristics defined by the storage properties in the expression.
2. The method of claim 1 wherein receiving is done by a database administrator (DBA).
3. The method of claim 1 wherein choosing is done by a database administrator (DBA).
4. The method of claim 1 wherein choosing further comprises choosing a logical operator to include in the expression.
5. The method claim 2 further comprising determining if all the properties received by the database administrator are all of the properties wanted by the database administrator.
6. The method of claim 5 further comprising in response to all the properties received by the database administrator not being all of the properties desired by the database administrator, adding a property desired by the database administrator.
7. The method of claim 6 wherein selecting properties and operators to build an expression comprises selecting at least one new property to build the expression.

1 8. The method of claim 1 wherein said step of evaluating is done by a storage
2 administrator (SA).

1 9. The method of claim 1 wherein selecting is done by a storage administrator (SA).

1 10. The method of claim 1 further comprising validating the storage for operation.

1 11. The method of claim 10 further comprising in response to the validating,
2 indicating that when there is not enough storage for an operation providing an indication
3 that the operation can not be carried out.

1 12. The method of claim 10 wherein in response to the validating indicating that there
2 is enough storage for operation, then completing the operation.

1 13. The method of claim 10 wherein in response to the validating indicating that there
2 is not enough storage to complete the operation, then performing the operation with the
3 storage which is available.

1 14. The method of claim 10 wherein the response to the validating indicating that
2 there is not enough storage to complete the operation then searching for more storage.

1 15. The method of claim 1 further comprising:
2 assigning one or more storage properties to one or more pieces of storage; and
3 associating at least one storage property with at least one piece of storage.

1 16. The method of claim 15 wherein said assigning is done by a storage
2 administrator (SA).

1 17. The method of claim 15 wherein said associating is done by a storage
2 administrator (SA).

1 18. The method of claim 1 further comprising generating one or more storage
2 properties.

1 19. The method of claim 1 further comprising of identifying one or more properties to
2 associate with a plurality of specific storage devices.

1 20. The method of claim 1 wherein the storage is not physical storage.

1 21. The method of claim 18 wherein generating properties comprises generating user-
2 defined storage properties.

1 22. The method of claim 16 wherein the system administrator determines if any of the
2 system is identified as hands-off storage.

1 23. The method of claim 16 wherein the system administrator determines if any of the
2 storage is identified as can-use storage.

1 24. The method of claim 1 wherein said steps of receiving, choosing, evaluating and
2 selecting are performed as part of an information recovery operation.

1 25. A method of generating a storage pool comprising:
2 assigning one or more storage properties to one or more pieces of storage; and
3 associating at least one storage property with at least one piece of storage.

1 26. The method of claim 25 further comprising generating one or more storage
2 properties.

1 27. The method of claim 25 wherein said assigning and associating is performed by a
2 storage administrator (SA).

1 28. The method of claim 25 further comprising identifying one or more properties to
2 associate with a plurality of specific storage devices.

1 29. The method of claim 25 wherein the storage is not physical storage.

1 30. The method of claim 26 wherein generating properties comprises generating user-
2 defined storage properties.

1 31. The method of claim 27 wherein the system administrator determines if any of the
2 system is identified as hands-off storage.

1 32. The method of claim 27 wherein the system administrator determines if any of the
2 storage is identified as can-use storage.

33. The method of claim 25 wherein said steps of assigning and associating are
5 performed as part of an information recovery operation.

1 34. A method comprising the steps of:
2 receiving a list a properties in a data-base administrator (DBA); and
3 selecting one or more properties to build an expression.

1 35. The method of claim 33 wherein selecting properties further comprises selecting a
2 logical operator to include in the expression.

1 36. The method claim 35 further comprising determining if all the properties received
2 by the database administrator are all of the properties wanted by the data-base
3 administrator.

1 37. The method of claim 36 further comprising in response to all the properties
2 received by the database administrator not being all of the properties desired by the
3 database administrator, adding a property desired by the database administrator.

1 38. The method of claim 37 wherein selecting properties and operations to build a
2 expression comprises selecting at least one new property to build the expression.

1 38. The method of claim 34 wherein said steps of receiving and selecting are
2 performed as part of an information recovery operation.
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4 39. A method comprising:
5 evaluating an expression to determine a pool storage; and
6 selecting a piece of storage having characteristics defined by storage properties in
7 the expression.

1 40. The method of claim 39 further comprising validating the storage for operation.

2 41. The method of claim 40 further comprising in response to the validating step
3 indicating that when there is not enough storage for an operation, providing an indication
4 that the operation cannot be carried out.

1 42. The method of claim 40 wherein in response to the validation indicating that there
2 is enough storage for operation, then completing the operation.

1 43. The method of claim 40 wherein in response to the validation indicating that there
2 is not enough storage to complete the operation, then performing the operation with the
3 storage which is available.

1 44. The method of claim 40 wherein in response to validation step indicating that
2 there is not enough storage to complete the operation, then searching for more storage.

1 45. The method of claim 39 wherein said step of evaluating and selecting are
2 performed as part of an information recovery operation.